

Low power SBC ideally suited for Communication and Control

MPL added to its broad range of Single Board Computer a highly integrated & compact 3U board with numerous features. The unbelievable product that fulfills most communication and/or machine control needs is named MPL4083 and fits ideally the worldwide known MPL408x product range.

The MPL4083 product relies on over 14 years experience building standard and customer specific Motorola and Intel processor boards and peripherals. The MPL408x products and systems are worldwide in use in various areas of the Industry, Transportation, Medicine, Aviation etc. The MPL4083 is fully in line with the company philosophy of high quality, low power, ruggedness and extended temperature at reasonable cost. The new product line complements the MPL product range and fulfills today's and tomorrow's customer requirements. MPL can supply standard of the shelf boards or systems, OEM products as well as customer specific products.



The MPL4083 is equipped with the widely used and powerful MC68360 (QUICC) 32-bit controller. An integrated PLL circuit allows to select any frequency up to 25 or 33MHz. Additional power saving options give full flexibility in power critical designs. The board is equipped with 4 x 16-bit timers and a battery buffered RTC with calendar that is Y2k ready. The MPL4083 can be equipped with any memory type like SRAM, FLASH, EEPROM, DRAM and Boot ROM. To communicate the MPL4083 has on board available 5 x RS232, up to 27 TTL/I/O's, SCSI-2 with active termination, Ethernet and an optoisolated CAN bus interface. For expansions of the SBC two standard industrial extensions buses are available on board. All I/O's and power lines are EMC protected or filtered. The size is a single Eurocard format(100 x 160 x 18mm)

The MPL4083 can be operated from 0°C to +70°C and is optionally available for -25°C to +85°C. Unique is the low power consumption of the board which is typically as low as 2,5 W. Further is the long term availability and the reasonable price a advantage.

The MPL4083 the ideal choice for low cost embedded-control application like:

- High speed application
- Industrial control
- Data acquisition / management
- medical instruments
- power or space critical designs.

For more information about the Low power Communication and Control SBC please contact us via Fax or email.